```
> d his ful; d que sta

     (FILE 'HOME' ENTERED AT 14:11:59 ON 30 AUG 2009)

     FILE 'REGISTRY' ENTERED AT 14:12:15 ON 30 AUG 2009
L1              STRUCTURE UPLOADED
L2              STRUCTURE UPLOADED
L3              STRUCTURE UPLOADED
                D L1
                D L2
                D L3
L4        1728 SEA SSS FUL L2
L5        3751 SEA SSS FUL L3
L6        1276 SEA SUB=L4 SSS FUL L1
L7        1829 SEA SUB=L5 SSS FUL L1
L8        1145 SEA SUB=L5 SSS FUL L2


     FILE 'ZCAPLUS' ENTERED AT 14:15:01 ON 30 AUG 2009
L9           4 SEA ABB=ON   PLU=ON   L6
L10         50 SEA ABB=ON   PLU=ON   L7
L11         11 SEA ABB=ON   PLU=ON   L8
L12         57 SEA ABB=ON   PLU=ON   L9 OR L10 OR L11
L13          4 SEA ABB=ON   PLU=ON   L9 AND L10 AND L11
L14          0 SEA ABB=ON   PLU=ON   L9 NOT L13
L15         46 SEA ABB=ON   PLU=ON   L10 NOT L13
L16          7 SEA ABB=ON   PLU=ON   L11 NOT L13
L17         53 SEA ABB=ON   PLU=ON   L12 NOT L13
L18         28 SEA ABB=ON   PLU=ON   L17 AND (PD<=20040421 OR PRD<=20040421)
L19         26 SEA ABB=ON   PLU=ON   L18 AND (PD<=20030422 OR PRD<=20030422)
L20         19 SEA ABB=ON   PLU=ON   L19 AND L10
L21          7 SEA ABB=ON   PLU=ON   L19 AND L11
                D L21 1-7 IBIB HITSTR
                D L20 1-19 IBIB HITSTR


     FILE HOME

     FILE REGISTRY
     Property values tagged with IC are from the ZIC/VINITI data file
     provided by InfoChem.

     STRUCTURE FILE UPDATES:   27 AUG 2009   HIGHEST RN 1176980-65-6
     DICTIONARY FILE UPDATES:  27 AUG 2009   HIGHEST RN 1176980-65-6

     New CAS Information Use Policies, enter HELP USAGETERMS for details.

     TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

        Please note that search-term pricing does apply when
        conducting SmartSELECT searches.

     REGISTRY includes numerically searchable data for experimental and
     predicted properties as well as tags indicating availability of
     experimental property data in the original document.  For information
     on property searching in REGISTRY, refer to:
```

http://www.cas.org/support/stngen/stndoc/properties.html

FILE ZCAPLUS

FILE COVERS 1907 - 30 Aug 2009 VOL 151 ISS 10
FILE LAST UPDATED: 28 Aug 2009 (20090828/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2009

ZCAplus now includes complete International Patent Classification (IPC)
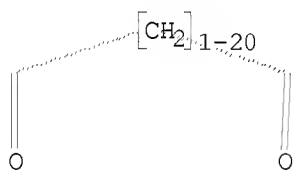reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

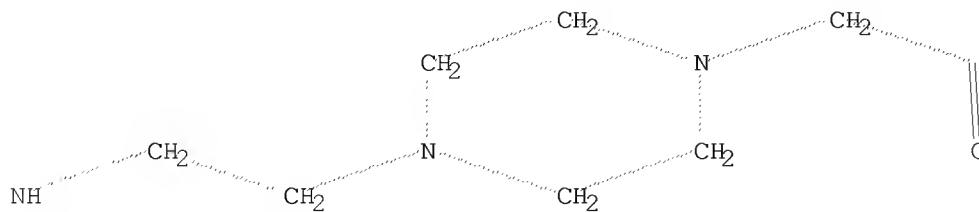This file contains CAS Registry Numbers for easy and accurate
substance identification.

The ALL, BIB, MAX, and STD display formats in the CA/CAplus family
of databases have been updated to include new citing references
information. This enhancement may impact record import into
database management software. For additional information, refer
to NEWS 9.

L1   STR

Structure attributes must be viewed using STN Express query preparation.
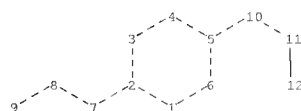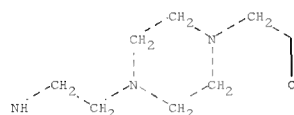L2   STR

Structure attributes must be viewed using STN Express query preparation.
L3   STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.
L4   1728 SEA FILE=REGISTRY SSS FUL L2
L5   3751 SEA FILE=REGISTRY SSS FUL L3
L6   1276 SEA FILE=REGISTRY SUB=L4 SSS FUL L1
L7   1829 SEA FILE=REGISTRY SUB=L5 SSS FUL L1
L8   1145 SEA FILE=REGISTRY SUB=L5 SSS FUL L2
L9   4 SEA FILE=ZCAPLUS ABB=ON PLU=ON L6
L10   50 SEA FILE=ZCAPLUS ABB=ON PLU=ON L7
L11   11 SEA FILE=ZCAPLUS ABB=ON PLU=ON L8
L12   57 SEA FILE=ZCAPLUS ABB=ON PLU=ON L9 OR L10 OR L11
L13   4 SEA FILE=ZCAPLUS ABB=ON PLU=ON L9 AND L10 AND L11
L17   53 SEA FILE=ZCAPLUS ABB=ON PLU=ON L12 NOT L13
L18   28 SEA FILE=ZCAPLUS ABB=ON PLU=ON L17 AND (PD<=20040421 OR
                  PRD<=20040421)
L19   26 SEA FILE=ZCAPLUS ABB=ON PLU=ON L18 AND (PD<=20030422 OR
                  PRD<=20030422)
L21   7 SEA FILE=ZCAPLUS ABB=ON PLU=ON L19 AND L11

chain nodes :
    7 8 9 10 11 12
ring nodes :
    1 2 3 4 5 6
chain bonds :
    2-7 5-10 7-8 8-9 10-11 11-12
ring bonds :
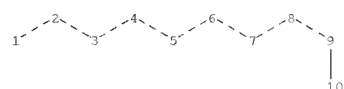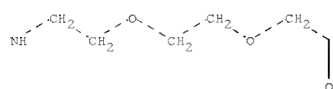   1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
    1-2 1-6 2-3 2-7 3-4 4-5 5-6 5-10 7-8 8-9 10-11 11-12

Match level :
    1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS
    12:CLASS

chain nodes :
    1   2   3   4   5   6   7   8   9   10
chain bonds :
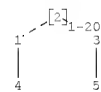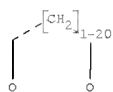   1-2   2-3   3-4   4-5   5-6   6-7   7-8   8-9   9-10
exact/norm bonds :
    1-2   2-3   3-4   4-5   5-6   6-7   7-8   8-9   9-10

Match level :
    1:CLASS   2:CLASS   3:CLASS   4:CLASS   5:CLASS   6:CLASS   7:CLASS   8:CLASS   9:CLASS   10:CLASS

$[CH_2]_{1-20}$

O   O

$[2]_{1-20}$

1
4   3
    5

chain nodes :
    1 2 3 4 5
chain bonds :
    1-4 1-2 2-3 3-5
exact/norm bonds :
    1-4 1-2 2-3 3-5

Match level :
    1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS